

## **APPLICATION FOR PATENT**

### **ANTI-STATIC DEVICE FOR CLOTHES, CLOTHES DRYERS**

#### **ABSTRACT**

This describes a portable non-pressurized, non-toxic, and non-liquid anti-static device for eliminating static cling on clothes on which static electricity has built up. A portable electrical conductive device is placed next to clothes worn by a person or placed in a clothes dryer to induce electrical current flow from the clothes to dissipate static electricity therein and improve anti-static protection.

#### **CLAIMS**

1. A portable device for reducing static electricity in clothing comprising:
  - a. a flexible member for conducting static electricity substantially surrounding an elongated sturdy member for capturing static electricity, and
  - b. a means for attaching said flexible conducting member to said rigid capturing member comprising a predetermined adhesive material substantially covering the end portions of said rigid capturing member, whereby the flexible conducting member is fixably attached to said rigid capturing member.
2. The device in Claim 1 wherein said conducting member is metal with predetermined conductivity.
3. The device in Claim 1 wherein said conducting member is a composite material having predetermined conductivity.
4. The device in Claim 1 wherein said conducting member is a metal wire having predetermined conductivity.
5. The device in Claim 1 wherein said capturing member comprises Teflon.RTM.
6. The device in Claim 1 wherein said capturing member is selected from the group consisting of silicon, vinyl, polypropylene, polyurethane, Saran.RTM, styrene, and polyester, whereby electrical charges from clothing are captured.
7. The device in Claim 1 comprising an anti-snap member attached to each end of said elongated capturing member, whereby the device is prevented from snagging clothing.

8. The device in Claim 1 comprising a cushioning member attached to each end of said elongated capturing member, whereby said conducting member and capturing member are prevented from contacting the dryer drum or snagging clothing.

9. A portable device for reducing static electricity in clothes in a laundry clothes dryer comprising:

- a. a flexible member for conducting static electricity substantially surround an elongated sturdy member for capturing static electricity, and
- b. a means for attaching said flexible conducting member to said rigid capturing member comprising a predetermined adhesive material substantially covering the end portions of said rigid capturing member, whereby the flexible conducting member is fixably attached to said rigid capturing member.

10. The device in Claim 10 wherein said conducting member is metal with predetermined conductivity.

11. The device in Claim 10 wherein said conducting member is a composite material having predetermined conductivity.

12. The device in Claim 10 wherein said conducting member is metal with predetermined conductivity.

13. The device in Claim 10 wherein said conducting member is a composite material having predetermined conductivity.

14. The device in Claim 10 wherein said conducting member is a metal wire having predetermined conductivity.

15. The device in Claim 10 wherein said capturing member comprises Teflon.RTM.

16. The device in Claims 10 wherein said capturing member is selected from the group consisting of silicon, vinyl, polypropylene, polyurethane, Saran.RTM, styrene, and polyester, whereby electrical charges from clothing are captured.

17. The device in Claim 10 comprising an anti-snap member attached to each end of said capturing member, whereby the device is prevented from snagging clothing.

18. The device in Claim 10 comprising a cushioning member attached to each end of said elongated capturing member, whereby the device is prevented from contacting the dryer drum or snagging clothing.